

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl.⁷
G06F 3/03

(45)
(11)
(24)

2004 10 08
10-0451773
2004 09 24

(21) 10-2002-0072351
(22) 2002 11 20

(65)
(43)

10-2004-0043903
2004 05 27

(73) .
20

(72) 642 1 504-1601

8 567-14

(74)

:

(54)

가

가

X Y , 1, 2 1, 2 가 1, 2
1 2 1 2 가 1 ,
2 2 .

4a

, , ,

1
2 1 A~A'

3a 3b ,

4a 4b 1 ,

5 4a 4b B~B'

6 2

7 3

* *

100 :

210 : 220 :

230 : 240 :

250 : 260 : 가

270a : 270b :

280 : 가

가

가 (Input Device) PC (Digitizer)

가

가 (Touch Panel) 가 가

(Resistive type) 가 (capacitance Coupli

(Capacitive type) 가

(Electro Magnetic type) 가

(Liquid Crystal Display Device) , PDA, PC

mm 0.1mm ~ 2

가

가

(dead space)가 가

1, 2 1 A~A'

(viewing area, V/A)(10), (15)

(dead space)(15)

(2, 21, 22)

(PET:Poly Ethylene Terephthalate) (2, 1)

(2, 1) (40, 30)

(2, 1) (dot space) (21, 22) (15)

(2) (2) (40) 가 가 (30)

(1)

(30, 40) 가 X, Y

(7) (3, 4)

(7) (15) (30)

(2, 1) (40, 30) 가

3a (40, 30) 3b

3a (2) (10) (40) (7a)

(40) 가 (7a)

3b (7a) (1) (10) (2) (40)

(30) (30) (7b)

가 (7b)

(1 2) X (30, 40) (1 2) Y

(2, 1) 가 (30, 40) 가 (40, 30)

(30, 40) ITO(Indium Tin Oxide)

(7a, 7b) (Ag)

(2) , PET(Poly Ethylene Terephthalate)

(1) PET (21)

(30, 40) (7a, 7b) FPC(Flexible Printed Cable)

가 (30, 40) (2, 1) 가 (30, 40) (7a, 7b)

FPC 가

가

가

가

1, 2, 1, 2, X, Y, 1, 2

1, 2, 가, 1, 1, 2, 1

2, 1, 가, 1, 1, 1, 1, 2, 1

1, ITO, 2, (Ag)

4a, 4b, 1, 5, 4a, 4b, B~B', X, Y

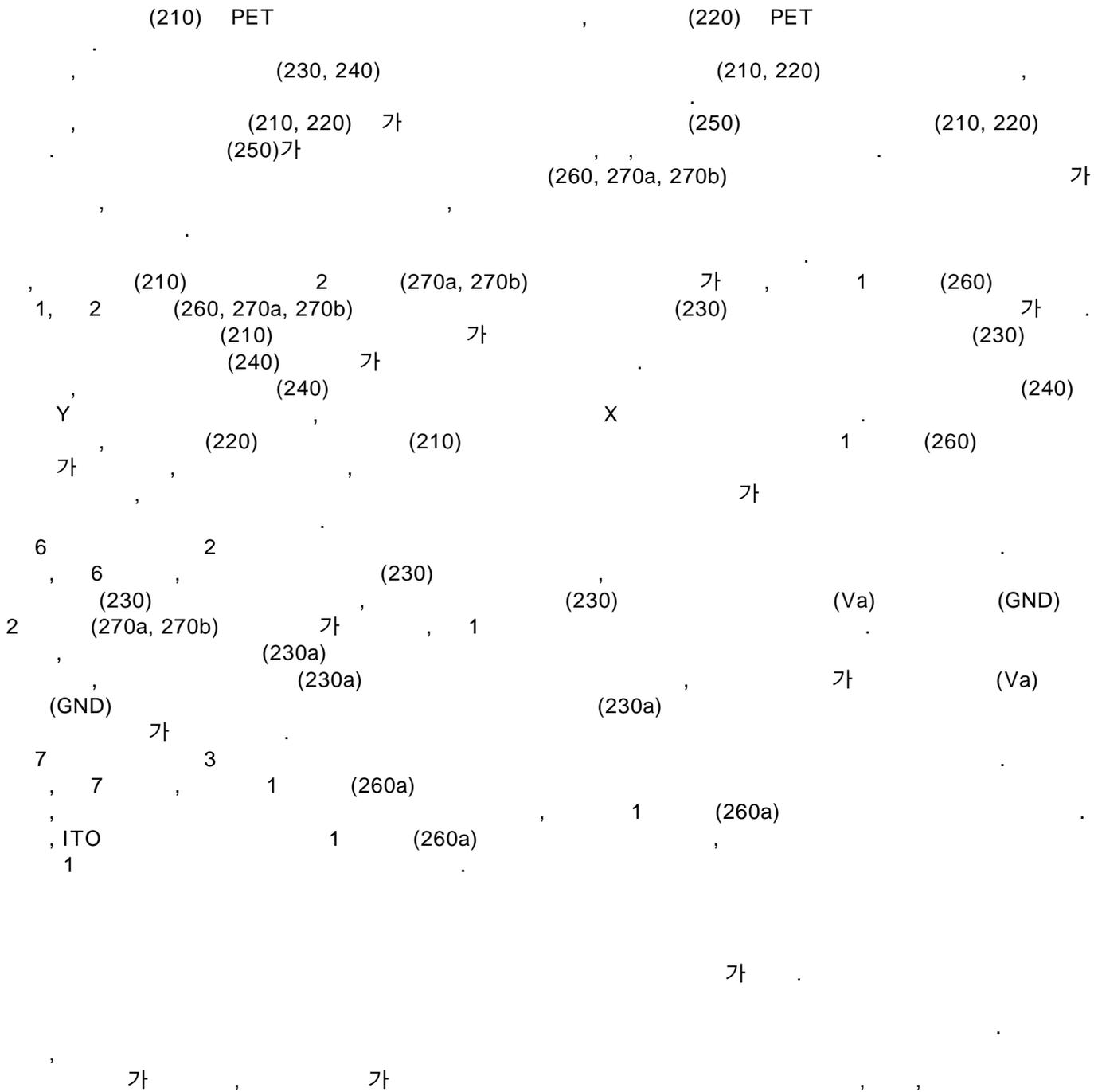
4a, 4b, (230, 240), (230, 240), X, Y, 가

0, 240, (210, 220), (240, 230), (23)

4a, (210), X, (230), 4b, (220), Y, (240), (230), X, (230), 가, (260), (Va), (GND), 가, 2, (270a, 270b), (210), (230), (240), (240), (220), (240), (240), (210), 1, 2, (260, 270a, 270b), 3, (280), ITO, 가, 가, 1, (260), (100), 1, 2, (260, 270a, 270b), (210), (100), 가, 1, 2, (260, 270a), (240), 가, 3, (280), 가, (220), X

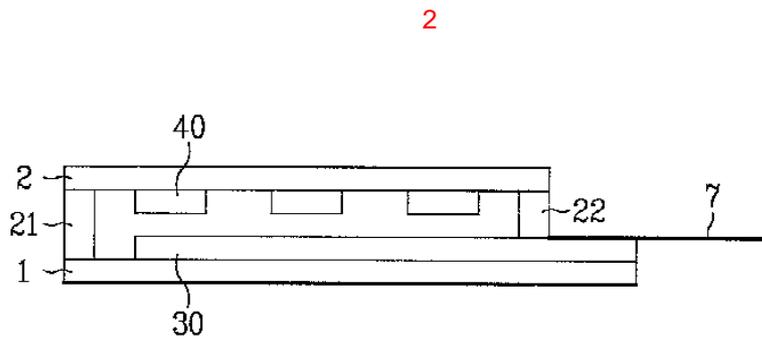
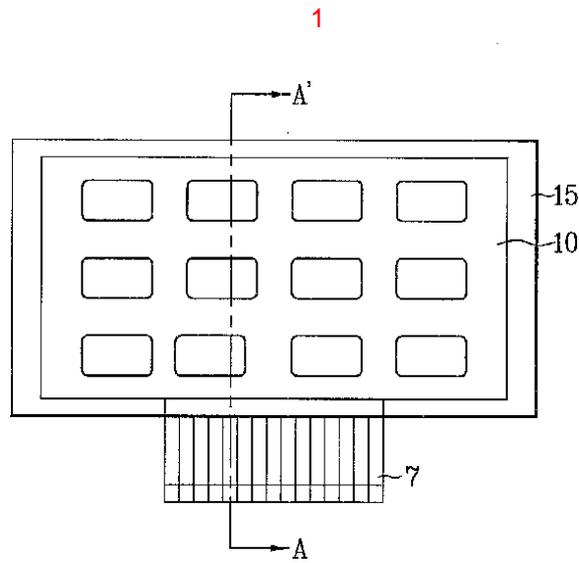
5, 4a, 4b, B~B', (210), X, (230), (220), Y, (230, 240), (210), Y, (220), X

5, 4a, 4b, B~B', (210), (220), (230, 240)

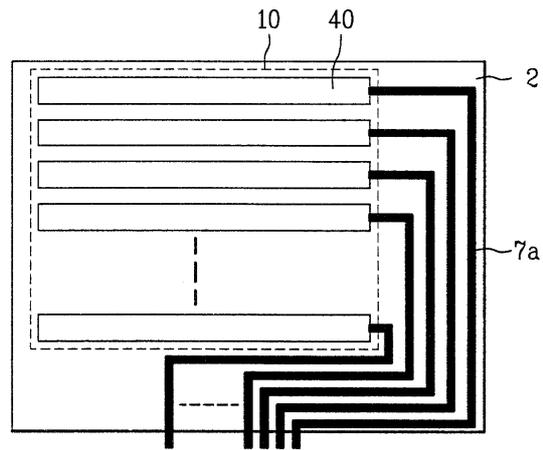


- (57)
1. 1, 2 1, 2 ; X Y 1, 2 ; 1 ; 1 ; 2 ; 1 ; 2 ; 1 ; 1 가 1 ; 1 ; 1 가
 2. 1 ; 1 ; 1 ; 1 가
 3. 1 ; 1 ; 1 ; 1 가

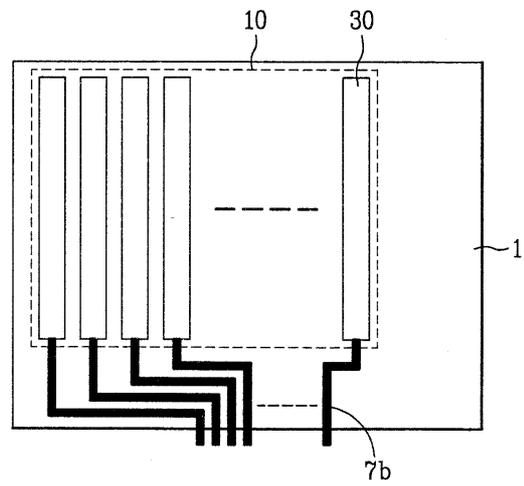
- 1 1 ,
- 2 1
- 3 4.
- 4 1 , ITO , 2 (Ag)
- 5 .
- 6 1 ,
- 7 5 .
- 8 5 .



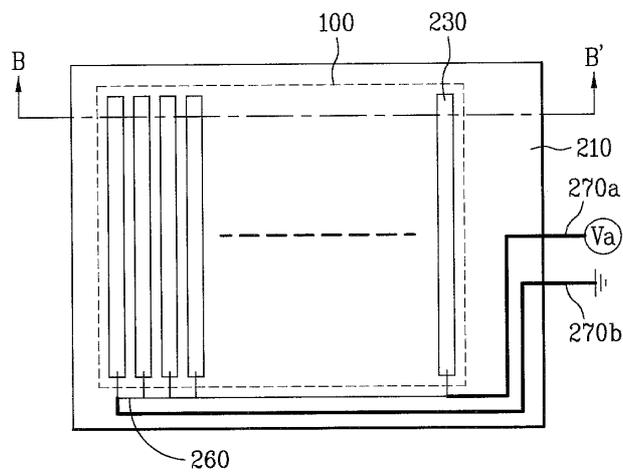
3a

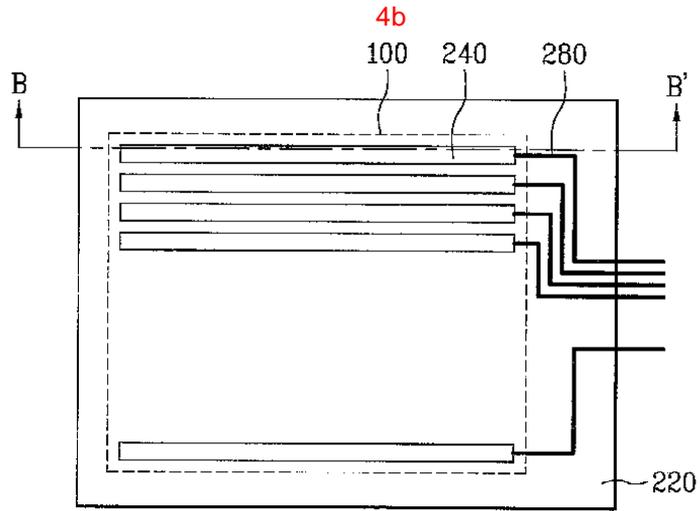


3b

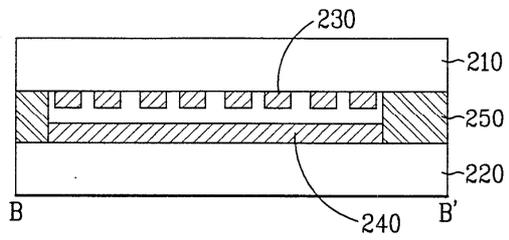


4a





5



6

